PTC/SB/82 (06-03)
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**REVOCATION OF POWER OF ATTORNEY and APPOINTMENT OF NEW POWER OF ATTORNEY** 

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	Application Number	09/876,942
OCATION OF POWER OF	Filing Date	June 8, 2001
VOCATION OF POWER OF RNEY and APPOINTMENT OF W POWER OF ATTORNEY	First Named Inventor	Charles A. Porter
	Art Unit	2178
	Examiner Name	Heather R. Hemdon
·	Attorney Docket Number	283108005US

I hereby rev	oke a	ili previou	s powers of attorn	ey given in the	above-ide	ntific	ed application:		
A Powe	er of A	ttomey is	submitted herewit	h.					
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	Assigr Staten	nee of recoment unde	ord of the entire in r 37 CFR 3.73(b)	terest. See 37 is enclosed. (F	CFR 3.71 com PTO	SB/	96)		
				RE of Applica	nt or Ass	igne	e of Record		
Name		Alexand	der Franco		,,_,				
Signature		ay	Fun						
Date		2	8/9/04		Telephon		(703) 265-350		
NOTE: Signature of the state of	gnatur ore tha	es of all the n one signal	inventors or assigned ture is required, see t	es of record of the selow."	entira intere	set or	their representative(s	s) are re	equired. Submit multiple
1			is submitted.						

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reons are required to respond to a collection of information unless it displays a valid OMB control number. STATEMENT UNDER 37 CFR 3.73(b) Applicants: Charles A. Porter et al. Filed/Issue Date: June 8, 2001 Application No.: 09/876.942 Entitled: METADATA QUALITY IMPROVEMENT a corporation of the State of Delaware America Online, Inc. (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.) (Name of Assignee) states that it is: 1. 🔀 the assignee of the entire right, title, and interest; or 2. an assignee of the entire right, title and interest. The extent (by percentage) of its ownership interest if \_\_\_\_ in the patent application/patent identified above by virtue of either: A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_\_ Frame \_\_\_\_\_, or for which a copy thereof is attached. OR B. [X] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below: To: Thomson Licensing S.A. 1. From: Charles A Porter et al. The document was recorded in the United State Patent and Trademark Office at Reel 012997. Frame 0277, for which a copy thereof is attached. To: America Online, Inc. 2. From: Thomson Licensing S.A. A copy of the Patent Assignment, which is being submitted to the Assignment Branch of the United States Patent and Trademark Office for recording concurrently herewith, is attached. The document was recorded in the United State Patent and Trademark Office at Real \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached. [ ] Additional documents in the chain of title are listed on a supplemental sheet. [ ] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. Alexander Franco (703) 265-3507 Signature Telephone number

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Liveril

JOSEPH S. TRIPOLI PATENT OPERATIONS

P.O. BOX 5312

PRINCETON, NEW JERSEY 0854375312 ine

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REEL/FRAME: 012997/0277

NUMBER OF PAGES: 17

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

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DOC DATE: 09/19/2001

012997/0277 PAGE 2

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SERIAL NUMBER: 09876942 FILING DATE: 06/08/2001

PATENT NUMBER: ISSUE DATE:

JEEVON JONES, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS FORM PTO-1595 1-31-92

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X Assignment Merger	City: Boulogne Billancourt State: France Zip:					
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Sept. 7, 2001 - Sept. 15, 2001 - Sept. 29, 2001 - Sept. 19, 2001 -						
Sept. 18, 2001 – Sept. 6, 2001 and Sept. 10, 2001 respectively.						
<ol> <li>Application number(s) or patent number(s): Serial No. 09/876,942</li> <li>If this document is being filed together with a new application, the execu</li> </ol>	tion date of the application is:					
A. Patent Application No.(s) 09/876,942	B. Patent No.(s)					
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### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

	declare that I am the sole inventor (if only one inventor s are named below) of the inventions relating to		pelow) or one of DATA QUALITY IMPROVE	MENT PROCESS	joint inventors .
described in an o	application for Letters Patent of the United States of Am	nerica filed	on June	3, 2001	Under Serial No.
	or, if not identified here by filing date and ser	ial number	, executed by me on ev	en date with n	09/876,942 ny execution of this
and existing und for all countries in and any divisions I agree t declarations and inventions in any I agree ti requested by sai	eement.  able consideration received, I hereby sell, assign and treat the laws of the country of France, its successors, and an and to said inventions, and all the rights and privileges, continuations, reissues and extensions thereof, that, when requested, I will, without charge to said coid do all acts which may be necessary, desirable or co and all countries and for vesting title thereto in said coit I will communicate to said corporation or its represed corporation and at its expense will testify in any legal	ansfer to TH assigns my s under any poration b nvenient for poration, in proceeding	iOMSON LICENSING S.A. r entire right, title and int r and all Letters Patent t ut at its expense, sign or r securing and maintal ts successors, assigns or ny facts known to me re tas, and generally do ev	., a corporation erest, hat may be greatly papers, take ning patents on nominees. specting sald in terything possit	n duly organized anted therefor, all rightful oaths, make all rightful r other forms of protection for said
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Signed at	Seattle, Washington	Date _	14-519-	O (	1
Inventor (1)	ARAM CHRISTIAN ABAJIAN (Type or Print)		(Signature in Full. No	initials.)	En .
1st Witness 2ndWitness	Ost Office Address  202 N.W. 43 <sup>rd</sup> Street, Se  (Type or Print)  (Type or Print)	attle, W	Ashington 98107 Signature in Full. No	initials of	
Signed at	Seattle, Washington	Date			
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2ndWitness	(Type or Print)	_	(Signature in Full. No	initials.)	
Signed at	Seattle, Washington	Date _	9.0	ッテーの1	
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Po	ost Office Address 1554 NE 95 <sup>th</sup> Street, Sec	ittle, Wo	ishington 98115		
1st Witness	(spe or Print)	_	(Spratters in Full, No	inflows 2	2 c
2ndWitness	Melissa A. Riesland	( .	Muna	Xex C	<b>Del C</b>

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(if plural inventors are named below) of the invention:	relating to MET	TADATA QUALITY IMPROVEMENT	PROCESS	
	<del></del>			
described in an application for Letters Patent of the U			Under Serial No. 09/876,942	_
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declarations and do all acts which may be necessar	ry, destrable or convenient	for securing and maintaining po	atents or other forms of protection	for saic
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requested by said corporation and at its expense will	testify in any legal proceed	inas, and generally do everythin	a possible to aid said corporation.	
its successors, assigns and legal representatives or nor	minees, to obtain or enforce	e proper protection for said inver	ations in any and all countries	
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protection for said inventions filed by it or them, the b	penefit of the right of priorit	by provided by the International	Convention for the Protection of Ir	nch etrical
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International Convention for the Protection of Industric I covenant with THOMSON LICENSING S.A., its	al Property, as amended, or	r by any convention which may h	nenceforth be substituted for it.	
title and interest herein conveyed by me are free and	successors, assigns, regar re clear of any encumbrance	epresentatives, and nominees, tr e. and that I have full right to cor	nat to the best of my knowledge the	he right, I
			troy the same as herein expressed.	
Signed at Seattle, Washington	Date			
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		, •	<b>,</b>	
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(Type or Print)		(Signature in Full. No initials.	}	
Signed at Seattle Washington	Date	9/12/21		
Signed at Seattle, Washington	———— Daie	91/12/01	7.	
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1st Witness MICHELE FLEXANT	)EK	(Signature in Full. No initials.	3000	
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	CAGUC-TT	Mus Will	lande, of	
(Type or Print)		Signature in Full. No initials.		
01		//		
Seattle, Washington	Date			
	•			
Inventor (3) KEN ALAN BERKUN				
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		•		
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1st Witness				
(Type or Print)		(Signature in Full. No initials.)	)	
2ndWitness				
(Type or Print)	<del></del>	(Signature in Full. No initials.	)	

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	declare that I am the sole inventor (if only one invent s are named below) of the inventions relating to		ed below) or one of ETADATA QUALITY IMPROVEN	10 MENT PROCESS	joint inventors	
described in an	application for Letters Patent of the United States of A		_		Under Serial No. 09/876,942	<del></del>
Assignment/Agr	or, if not identified here by filing date and seement.	erial numb	per, executed by me on eve	en date with n	ny execution of this	
and existing und for all countries in and any divisions	able consideration received, I hereby sell, assign and er the laws of the country of France, Its successors, ar in and to said inventions, and all the rights and privileg s, continuations, reissues and extensions thereof.	nd assigns ges under	my entire right, title and inte any and all Letters Patent th	erest, at may be gr	anted therefor,	
I agree t	hat, when requested, I will, without charge to said of do all acts which may be necessary, desirable or o	orporation	n but at its expense, sign all	papers, take	all rightful oaths, make	all rightful
inventions in any	and all countries and for vesting title thereto in said a	corporatio	n, its successors, assigns or n	ominees		on for sala
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or nominees to c	may be required in any country for any purpose and apply for patent or other proper protection for said in	rventions.	and to claim the aforesaid	benefits of th	ne right of priority provid	ors, assigns led by the
l covena	nvention for the Protection of Industrial Property, as an nt with THOMSON LICENSING S.A., its successors, assig	ans, leaal	representatives, and nomine	es, that to th	e best of my knowledge	the right.
title and interest	herein conveyed by me are free and clear of any en	cumbrano	ce, and that I have full right t	to convey the	same as herein expresse	ed.
Signed at	Seattle, Washington	Date	9/7/01			
		-			m f	1
Inventor (4)	AUSTIN DAVID DAHL	_	(AN) has	with !	10/11/1	_
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	$\Lambda^{\prime\prime\prime}$ , $\Lambda^{\prime\prime}$ , $\Lambda^{\prime\prime}$		(Signature in Full, No i	nitials.)	1	
2ndWitness	(Type or Print) Viegoria	-	(Signature in Full. No in	nit(als.)	<u> </u>	1
Signed at	Seattle, Washington	Date	9/18/01	2	10/01) - Dute	
		-	1100			1
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2ndWitness	Diane Brady	-	C) jan J	onder		
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Signed at	Seattle, Washington	Date				
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1st Witness					·	
	(Type or Print)	-	(Signature in Full. No in	nitials.)		
2ndWitness		_				
	(Type or Print)		(Signature in Full. No in	nitials.)		

### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby	declare that I am the sole inventor (if only one invent	or is name	d below) or one of 10 joint inventors	
(ii pididi iriverilor	s are named below) of the inventions relating to		TADATA QUALITY IMPROVEMENT PROCESS	
described in an o	application for Letters Patent of the United States of A	merica file	ed on June 8, 2001 Under Serial No.	<del></del>
	or, if not identified here by filing date and s	erial numb	er, executed by me on even date with my execution of this	
Assignment/Agr	eement.		THOMSON LICENSING S.A., a corporation duly organized	
ana existing una	er the laws of the country of France, its successors, an	d assians r	nv entire right, title and interest	
and any divisions	s, continuations, reissues and extensions thereof.		iny and all Letters Patent that may be granted therefor,	
l agree t declarations and	hat, when requested, I will, without charge to said c d do all acts which may be necessary, desirable or c	orporation	but at its expense, sign all papers, take all rightful oaths, mak for securing and maintaining patents or other forms of protec	e all rightful
miver mons in any	and all countries and for vesting title thereto in said a	orporation	Lits successors, assigns or nominees.  any facts known to me respecting said inventions and when	non for sala
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i autnoriz	e and empower said corporation, its successors, assi	ans or non	e proper protection for said inventions in any and all countries. ninees, to make application for patent or other form of protec	tion for said
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Property, as ame	ended, or by any convention which may henceforth	be substi	tuted for it, and to invoke and claim such right of priority with	nout further
I hereby	consent that a copy of this assignment shall be de	emed a f	ull legal and formal equivalent of any assignment, consent to	o file or like
or nominees to c	n may be required in any country for any purpose and apply for patent or other proper protection for said in	more part	ficularly in proof of the right of the said corporation or its success	sors, assigns
international Cor	ivention for the Protection of Industrial Property, as an	nended, o	r by any convention which may henceforth be substituted for it. epresentatives, and nominees, that to the best of my knowledge.	· ·
title and interest I	herein conveyed by me are free and clear of any end	cumbrance	e, and that I have full right to convey the same as herein expres	sed.
Signed at	Seattle, Washington	Date		
	Codino, Washington	•		+
Inventor (4)	AUSTIN DAVID DAHL			
	(Type or Print)	_	(Signature in Full. No initials.)	1
Po	ost Office Address 2039 26 <sup>th</sup> Ave. E., Seat	tle Wa	shinatan 08112	
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1st Witness	(Type or Print)		(Signature in Full. No initials.)	4
2ndWitness	,			
2710371111033	(Type or Print)		(Signature in Full. No Initials.)	_
Signed at	Co attle Machineton	Date		
1.5	Seattle, Washington	. Daie		4
Inventor (5)	JOHN ANTHONY DEROSA			
	(Type or Print)	•	(Signature in Full. No initials.)	1
Po	ost Office Address 1407 6 <sup>th</sup> Ave. W., Seat	tla Mar	shington 09110	
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Signed at	Seattle, Washington	Date	9/29/201	I high that
Inventor (6)	SCOTI CHAO CHUTHITE		1.40	this wedge to
	SCOTT CHAO-CHUEH LEE (Type or Print)		(Signature in Full. No initials.)	be no Hime into
	Atting Address			
Po	ast Office Address 2031 151st Ave. SE, Bell	evue, V	Vashington 98007	1
1st Witness	Veter Lee		- Vitin Lie	
	(Type or Print)		(Signature in Full. No initials.)	]
2ndWitness	HSich Hung Lee		- Siel Huhl Lee	
L	(Type or Print)		(Signature in Full. No initials.)	1

After this Assignment has been recorded please RETURN to:

(Signature in Full. No initials.)

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

# ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare the control of the	act I am the sole inventor (if only one invento ed below) of the inventions relating to		f 10 MPROVEMENT PROCESS	joint inventors S	
described in an application	n for Letters Patent of the United States of Ar	nerica filed on	June 8, 2001	Under Serial No. 09/876,942	
- <del></del>	or, If not identified here by filing date and se	rial number, executed by n	ne on even date with n	ny execution of this	
Assignment/Agreement. For valuable consider and existing under the laws for all countries in and to so and any divisions, continuations and any divisions, continuations and any and all accompanies of the second and any and all accompanies and any	deration received. I hereby sell, assign and treation received. I hereby sell, assign and treations of the country of France, its successors, and all inventions, and all the rights and privilegentions, reissues and extensions thereof, requested, I will, without charge to said constitution and for vesting title thereto in said communicate to said corporation or its repression and at its expense will testify in any legal egal representatives or nominees, to obtain power said corporation, its successors, assign name, or in my/our name, in any and all ins filed by it or them, the benefit of the righ by any convention which may henceforth in from me, and a copy of this assignment shall be deep dequired in any country for any purpose and reatent or other proper protection for said inverted the protection of Industrial Property, as and DMSON LICENSING S.A. Its successors assign.	ansfer to THOMSON LICENS and assigns my entire right, title assigns my entire right, title as under any and all Letters arporation but at its expension properation, its successors, as entatives any facts known to proceedings, and genera or enforce proper protectic ins or nominees, to make a countries and to invoke at of priority provided by the be substituted for it, and to emed a full legal and formore particularly in proof of centions, and to claim the cended, or by any conventions.	SING S.A., a corporation of and interest. Patent that may be gree, sign all papers, take maintaining patents or signs or nominees. The patent of signs or nominees or said inventions in interest of the control of the control of the control of the said control of the	anted therefor, all rightful oaths, make r other forms of protection rentions and when ble to aid said corporation any and all countries, or other form of protection cation for patent or oth tion for the Protection of uch right of priority without assignment, consent to proporation or its successor e right of priority provide the be substituted for it.	on for said er form of f Industrial out further file or like ors, assigns ed by the
title and interest herein con	veyed by me are free and clear of any enci	umbrance, and that I have	full right to convey the	same as herein expresse	ad.
Signed at Seatt	te, Washington	Date G_	16-0	/	
Inventor (7) CH	HARLES A. PORTER	The state of the s	1/n	/	
(Type	or Print)	(Signature/in	Full. No initials.)		
Post Office A	Address 810 30 <sup>th</sup> Avenue, Seatt	le. Washinaton 981	22		
	Or Print)	Kom	Full. No initials.)		~
	or Print)	Tul	Full. No initials.)		۶
Signed at		Date			
	C CARL REHM				
(Type	or Film)	(Signature in I	Full. No initials.)		
Post Office A	ddress 353 Wallace Way NE #	3, Bainbridge Island	d, Washington 9	8110	
1st Witness (Type	or Print)	(Signature in F	-ull. No initials.)		
2ndWitness	D:D				
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Signed at Seatt!	e, Washingotn	Date			
	NIVASAN SUDANAGUNTA				
(iype	or Print)	(Signature in F	ull. No initials.)		
Post Office A	913 26 <sup>th</sup> Avenue E., Sec	ittle, Washington 9	8112		
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### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby	declare that I am the sole inventor (if only one invent	tor is nam	ed below) or one of
(if plural invento	ors are named below) of the inventions relating to	М	ETADATA QUALITY IMPROVEMENT PROCESS
described in an	application for Letters Patent of the United States of A		00/974 040
Assignment/Ag	or, if not identified here by filing date and s	erial num	ber, executed by me on even date with my execution of this
For valu	able consideration received. I hereby sell, assign and	transfer to	THOMSON LICENSING S.A
ioi on courines	in and to said inventions, and all the rights and privilec is, continuations, reissues and extensions thereof.	ges under	any and all Letters Patent that may be granted therefor,
I agree	that, when requested. I will without charge to said o	ornoratio	to but at the summer of the sum
requested by sa	id Corporation and at its expense will testify in any lea	sentative	s any facts known to me respecting said inventions and when
its successors, as	signs and legal representatives or nominees, to obtain	or enforce	roundings, and generally do everything possible to aid said corporation, ce proper protection for said inventions in any and all countries.
protection for so	or inell own name, or in my/our name, in any and a fild inventions filed by it or them, the benefit of the rice	II countrie	rrighes, to make application for patent or other form of protection for said is each to invoke and claim for any application for patent or other form of
Property, as am	ended, or by any convention which may henceforth	n be subs	is and to invoke and claim for any application for patent or other form of ity provided by the international Convention for the Protection of Industrial tituted for it, and to invoke and claim such right of priority without further
I nereby	consent that a copy of this assignment shall be de	emed a	full legal and formal equivalent of any assignment, consent to file or like
or nominees to d	apply for patent or other proper protection for said in	rinole pu	incularly in proof of the right of the said corporation or its successors, assigns
International Co	nvention for the Protection of Industrial Property, as an	nended, d	on to claim the dioresaid benefits of the right of priority provided by the or by any convention which may henceforth be substituted for it.
The drid wherest	trefer t conveyed by the dre tree and clear of any end	cumbranc	representatives, and nominees, that to the best of my knowledge the right, se, and that I have full right to convey the same as herein expressed.
Signed at	Comttle Manhimut.	D-4-	•
1	Seattle, Washington	Date -	
Inventor (7)	***		
Inventor (7)	CHARLES A. PORTER		
	(Type or Print)	•	(Signature in Full. No initials.)
	100		
P	ost Office Address 810 30 <sup>th</sup> Avenue, Seat	tle, Wo	shington 98122
1 at 14/ita and			
1st Witness	(Type or Print)		
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Signed at	Seattle, Washington	Date	18 Sept 200/
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Inventor (8)	ERIC CARL REHM		
	(Type or Print)		(Signature in Full. No initials.)
Po	st Office Address 353 Wallace Way NE #	‡3, Bair	obridge Island, Washington, 98110
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Signed at	Seattle, Washington	Date	Sept 6, 2001
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Inventor (9)	SRINIVASAN SUDANAGUNTA		
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	· · · · · · · · · · · · · · · · · · ·		(Signature in Full. No initials.)
Pos	of Office Address 913 26 <sup>th</sup> Avenue E., Sec	AL Other	Jachinatan 00110
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After this Assignment has been recorded please RETURN to:

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby de	eclare that I am the sole inventor (if only one inventor are named below) of the inventions relating to			10	joint inventors	
(ii biaiai ii veriiois (	sie richied below) of the inventions felating to	ME	TADATA QUALITY IMPROVEM	ENT PROCES	S	
described in an ap	oplication for Letters Patent of the United States of A				Under Serial No. 09/876,942	
Assignment/Agree	or, if not identified here by filing date and se	erial numb	er, executed by me on ever	date with n	ny execution of this	
For valuab	ele consideration received, I hereby sell, assign and the laws of the country of France, its successors, an	transfer to	THOMSON LICENSING S.A., o	corporation	n duly organized	
tor all countries in a	and to said inventions, and all the rights and privilea	es under a	iny and all Letters Patent tha	osı, ıt may be gr	anted therefor,	
I agree tha	continuations, reissues and extensions thereof, at, when requested, I will, without charge to said of	orporation	but at its expense, sian all	oapers, take	all rightful oaths make	all riabtfu
decidiations and t	do all acts which may be necessary, destrable or c nd all countries and for vesting title thereto in said c	onvenient	for securing and maintaining	a natente o	r other forms of protect	ion for said
I agree tha	at I will communicate to said corporation or its repre-	sentatives	any facts known to me resp.	actina said i	nventions and when	
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I hereby co	onsent that a copy of this assignment shall be de nay be required in any country for any purpose and	emed a fe	ull legal and formal equiva	ent of any	assignment, consent to	file or like
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title and interest he	erein conveyed by me are free and clear of any end	umbrance	e, and that I have full right to	convey the	same as herein express	e ine ligili, ed.
Signed at	Seattle, Washington	Date	9/10/2001			
Inventor (10)	IONATI IANI DODEDI NIOVAJITI		Dar IM.	1 1		1
	JONATHAN ROBERT NOWITZ (Type or Print)	•	(Signature in Full. No in	tials.)		-
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'03	Office Address 2302 NE 92 <sup>nd</sup> Street, Se	eame, v	Vashington 98115	<del></del>		
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2ndWitness _	Michael G. Martha		- Mikely	7_M	the	
	(Type or Print)		(Signature in Full. No ini	tials.)		-
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Inventor (11)						
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### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

(if plural inventors are named below) of the inventions relating to	tor is name ME	nd below) or one of 10 joint inventors ETADATA QUALITY IMPROVEMENT PROCESS	
described in an application for Letters Patent of the United States of A	\morica fil	od on	<u>-</u>
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A Salar Control of the Control of th		per, executed by me on even date with my execution of this	
For valuable consideration received, I hereby sell, assign and and existing under the laws of the country of France, its successors, are for all countries in and to said inventions, and all the rights and privileging and any divisions continuations restricted and any divisions.			•
I agree that, when requested I will without charge to said a	ornoration	here at the assessment of the second	
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agree that I will communicate to said corporation or its repre	soptativos	i, its successors, assigns or nominees.	
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inventions in its or their own name, or in my/our name, in any and a	igns or nor	ninees, to make application for patent or other form of protection for	
written or oral authorization from me.	I DA 20021	nuted for it, and to invoke and claim such right of priority without fu	uther
		full legal and formal equivalent of any assignment, consent to file of ticularly in proof of the right of the said corporation or its successors, as:	
or nominees to apply for patent or other proper protection for said in International Convention for the Protection of Industrial Property, as an Lovenant with THOMSON LICENSINGS. A life type control of the Protection of Industrial Property and International Processor and Industrial Property and Industrial Processor and			signs y the
			right,
title and interest herein conveyed by me are free and clear of any en	cumbranc	e, and that I have full right to convey the same as herein expressed.	
Seattle, Washington	Date		
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Inventor (10) JONATHAN ROBERT NOWITZ	-		
(Type or Print)		(Signature in Full. No initials.)	
Post Office Address 2302 NE 92 <sup>nd</sup> Street, Se	eattle. V	Vashinaton 98115	
1st Witness	· · · · ·		
(Type or Print)	•	(Signature in Full. No initials.)	
2ndWitness		,	
(Type or Print)	•	(Signature in Full. No initials.)	
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Inventor (11)		·	
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Inventor (12)			
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After this Assignment has been recorded please RETURN to:

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is r (if plural inventors are named below) of the inventions relating to	named below) or METADATA QUA	one of 10 ALITY IMPROVEMENT PROC	joint inventors	
described in an application for Letters Patent of the United States of America	ca filed on	June 8, 2001	Under Serial No.	
or, if not identified here by filing date and serial	number, executed	by me on even date wi	09/876,942 th my execution of this	
For valuable consideration received. I hereby sell, assign and transfund and existing under the laws of the country of France, its successors, and assign and existing under the laws of the country of France, its successors, and assign and any divisions, continuations, reissues and extensions thereof.  I agree that, when requested, I will, without charge to said corporations and do all acts which may be necessary, desirable or convex inventions in any and all countries and for vesting title thereto in said corporations in any and all countries and for vesting title thereto in said corporations are that I will communicate to said corporation or its representate equested by said corporation and at its expense will testify in any legal profits successors, assigns and legal representatives or nominees, to obtain or end authorize and empower said corporation, its successors, assigns of inventions in its or their own name, or in my/our name, in any and all countries in the property, as amended, or by any convention which may henceforth be switten or oral authorization from me.  I hereby consent that a copy of this assignment shall be deemed document which may be required in any country for any purpose and more	er to THOMSON Ligns my entire right der any and all Lu ation but at its explicitly ation but at its explicitly ation, its successoratives any facts knuceedings, and genforce proper programmers, to minimise and to involve priority provided its bubstituted for it, and a full legal and a particularly in a particularly i	clcENSING s.A., a corpora- nt, title and interest, efters Patent that may be expense, sign all papers, to and maintaining patent ors, assigns or nominees, own to me respecting sa enerally do everything pot tection for said invention alse application for pate obe and claim for any apply the international Con- and to invoke and claim of formal equivalent of an	ation duly organized e granted therefor, ake all rightful oaths, make at is or other forms of protection id inventions and when assible to aid said corporation, is in any and all countries. In or other form of protection application for patent or other avention for the Protection of Ir in such right of priority without any assignment, consent to file	for said for said form of ndustrial t further
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covenant with THOMSON LICENSING S.A. its successors assigns le	or by any con	vention which may hence	eforth be substituted for it.	
title and interest herein conveyed by me are free and clear of any encumb	rance, and that I	have full right to convey	the same as herein expressed.	
Signed at Seattle, Washington Do	ote		·	
Inventor (7) CHARLES A. PORTER				
(Type or Print)	(Signate	ure in Full. No initials.)		
Post Office Address 810 30 <sup>th</sup> Avenue, Seattle, 1	Washington	98122		
1st Witness				
(Type or Print)	(Signatu	re in Full. No initials.)		
2ndWitness				
(Type or Print)	(Signatu	re in Full. No initials.)		
Signed at Seattle, Washington Da	te			
Inventor (8) ERIC CARL REHM				
(Type or Print)	(Signatu	re in Full. No initials.)		
Post Office Address 353 Wallace Way NE #3, B	lainbridge Isl	and, Washington	98110	
1st Witness				
(Type or Print)	(Signatu	re in Full. No initials.)		
2ndWitness (Type or Print)	(Signatu	re in Full. No initials.)		
Signed at Seattle, Washington Date				
Inventor (9) SRINIVASAN SUDANAGUNTA				
(Type or Print)	(Signatu	e in Full. No initials.)		
Post Office Address 913 26 <sup>th</sup> Avenue E., Seattle	, Washingto	n 98112		
1st Witness				
(Type or Print)	(Signatur	e in Full. No initials.)		
2ndWitness	<del></del>	-		
(Type or Print)	(Signatur	e in Full. No initials.)		

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described in an application for Letters Patent of the United States of A	09/876 9/2
or, if not identified here by filing date and a Assignment/Agreement.	serial number, executed by me on even date with my execution of this
For valuable consideration received, I hereby sell, assign and	transfer to THOMSON LICENSING S.A., a corporation duly organized
and existing under the laws of the country of France, its successors, or for all countries in and to said inventions, and all the rights and privileg	ind assigns my entire right, title and interest, ges under any and all Letters Patent that may be granted therefor.
and any divisions, continuations, reissues and extensions thereof.  I agree that, when requested, I will, without charge to said a	Corporation but at its expense sign all papers take all tability paths, make all tability
declarations and do all acts which may be necessary, desirable or a inventions in any and all countries and for vesting title thereto in said a	CONVENIENT for securing and maintaining natents or other forms of protection for
I agree that I will communicate to said corporation or its repre	esentatives any facts known to me respecting said inventions and when
its successors, assigns and legal representatives or nominees, to obtain	gal proceedings, and generally do everything possible to aid said corporation, in or enforce proper protection for said inventions in any and all countries.
I duthorize and empower said corporation, its successors, ass inventions in its or their own name, or in my/our name, in any and a	signs or nominees, to make application for patent or other form of protection for sail
protection for said inventions filed by it of them, the benefit of the ric	ght of priority provided by the International Convention for the Protection of Industric th be substituted for it, and to invoke and claim such right of priority without furthe
written of oral authorization from me.	
document which may be featilied in any country for any purpose and	leemed a full legal and formal equivalent of any assignment, consent to file or like d more particularly in proof of the right of the said corporation or its successors, assign
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I COVERDIT WITH THOMSON LICENSING S.A., It's successors, assis	igns, legal representatives, and nominees, that to the best of my knowledge the right noumbrance, and that I have full right to convey the same as herein expressed.
and an analog nation regression of the area and clear of the en	icumbicatice, and that those full right to convey the same as herein expressed.
Signed at Seatile, Washington	Date
Inventor (4) ALISTIN DAVID DAHI	
Inventor (4) AUSTIN DAVID DAHL (Type or Print)	(Signature in Full. No Initials.)
Post Office Address 2039 26 <sup>th</sup> Ave. E., Sea	attle, Washington 98112
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
2ndWitness	
(Type or Print)	(Signature in Full. No Initials.)
Seattle, Washington	Date
Inventor (E)	
JOHN ANTHONY DEROSA (Type or Print)	(Signature in Full. No initials.)
	(Signorate in Fall. No Hillials.)
Post Office Address 1407 6 <sup>th</sup> Ave. W., Seat	ttle, Washington 98119
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
2ndWitness	
(Type or Print)	(Signature in Full. No Initials.)
Signed at Seattle, Washington	Date
Inventor (6) SCOTT CHAO-CHUEH LEE	
(Type or Print)	(Signature in Full. No initials.)
Post Office Address 2031 151 <sup>st</sup> Ave. SF., Bel	llevue, Washington 98007
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
2ndWitness	
(Type or Print)	(Signature in Full. No initials.)

# ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby (if plural inventor	declare that I am the sole inventor (If only one inver s are named below) of the inventions relating to		below) or one of ADATA QUALITY IMP	10 PROVEMENT PROC	joint inventors	
			·			
described in an	application for Letters Patent of the United States of			June 8, 2001	Under Serial No. 09/876,942	
Assignment/Agr	or, If not identified here by filing date and	serial number	r, executed by me	on even date wit	th my execution of this	
For value	able consideration received. I hereby sell, assign and	d transfer to TH	HOMSON LICENSIN	IGSA a corpora	tion duly organized	
	et tite idws of the country of France, its successors of	ind assigns mi	vantira riaht titla a	and interest		
and any divisions	n and to said inventions, and all the rights and privile s. continuations, reissues and extensions thereof.	ges under an	y and all Letters Po	itent that may be	granted therefor,	
I agree t	hat, when requested. I will, without charge to said a	corporation b	out at its expense,	sign all papers, to	ake all rightful oaths, make	all riahtful
	d do all acts which may be necessary, desirable or and all countries and for vesting title thereto in said				s or other forms of protecti	on for said
i agree ti	NOT I Will COMMUNICATE to said corporation or its repr	esentatives a	ny facts known to		id inventions and when	
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I covena	nt with THOMSON LICENSING S.A., its successors, assi	imended, or b	by any convention	which may hence	eforth be substituted for it.	
title and interest t	nerein conveyed by me are free and clear of any er	ncumbrance,	and that I have fu	Il right to convey t	the same as herein expressi	e ine rigni, ed.
						]
Signed at	Seattle, Washington	_ Date _				İ
Inventor (7)	CHADLES A DODTED					]
, , ,	CHARLES A. PORTER (Type or Print)		(Signature in Eu	II No initiate >	······································	į
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2ndWitness						
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Signed at	Seattle, Washington	Date				
	Scarne, Washington		<del></del>	<del></del>		
Inventor (8)	ERIC CARL REHM					
	(Type or Print)		(Signature in Ful	1 No initials )		
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Po	st Office Address 353 Wallace Way NE	#3, Bainb	ridge Island,	Washinaton	98110	
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2ndWitness	<i>a</i>					
<del></del>	(Type or Print)		(Signature in Ful	l. No initials.)	-	
Signed at	Seattle, Washington	Date				
-	Seame, Washington					
Inventor (9)	SRINIVASAN SUDANAGUNTA					
	(Type or Print)		(Signature in Ful	No initials		
			(organization in the	. No mindis.)		
Pos	st Office Address 913 26 <sup>th</sup> Avenue E., Se	eattle, Wa	ishington 981	112		
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2ndWitness _	(Type or Print)					
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## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

		sole inventor (if only one in if the inventions relating to		below) cr one of DATA QUALITY IMPROVEM		nt inventors	
described in an a	pplication for Letters	Patent of the United States	of America filed	on June 8.		der Serial No.	<del></del>
		ntified here by filing date o	ınd serial number	, executed by me on ever		876,942 xecution of this	
and existing under for all countries in and any divisions, I agree the declarations and inventions in any of the expression of the express	ole consideration recorrithe laws of the couland to said invention continuations, reissured, when requested, do all acts which mand all countries and at I will communicate it corporation and at grand legal represses and empower said their own name, or dinventions flied by I inded, or by any corporation from me. Consent that a copy may be required in a copy for patent or other wention for the Protect with THOMSON LICI.	elived. I hereby sell, assignative of France, its successors, and all the rights and pries and extensions thereof.  I will, without charge to say be necessary, desirable for vesting title thereto in see to said corporation or its rits expense will testify in any entatives or nominees, to o corporation, its successors in my/our name, in any ait or them, the benefit of the ovention which may hence or of this assignment shall be any country for any purpose ner proper protection for section of Industrial Property, and are free and clear of any are free and clear of any are free and clear of any entered and clear of any entered are free and clear of any entered a	s, and assigns my vileges under an aid corporation be or convenient froid corporation, lepresentatives a y legal proceedir btain or enforce, assigns or nominal all countries of eright of priority eforth be substitute deemed a full and more particular and more particular are amended, or to assigns, legal registrations, or assigns, legal registrations.	y entire right, title and inter y and all Letters Patent that out at its expense, sign all or securing and maintaining its successors, assigns or no ny facts known to me resp ges, and generally do ever proper protection for soid nees, to make application and to invoke and claim if provided by the Internation titled for it, and to invoke the legal and formal equival sularly in proof of the right of do to claim the aforesaid in by any convention which in presentatives, and nomine	est, at may be grante papers, take all ray patents or othorninees. ecting sald invenything possible to inventions in any of for any applicational Convention and claim such allert of any assign of the said corpobenefits of the right only henceforth bes, that to the be	d therefor, rightful oaths, make al eer forms of protection at all countries, and all countries, and all countries, and round the protection on for patent or other for the Protection of la right of priority withou gnment, consent to file ration or its successors, and of priority provided be substituted for it.	of for said for said form of naustrial if further e or like t, assigns d by the
Signed at	Seattle, Wash		Date Date	and man mave railing mile	o convey me sam	ie as neiein expressed	1.
Inventor (10)	IONIATHAN	I DOREDT NOVATT	_				
	(Type or Print)	N ROBERT NOWITZ		(Signature in Full. No in	itials.)		
Pos 1st Witness _	st Office Address (Type or Print)	2302 NE 92 <sup>nd</sup> Stree	t, Seattle, W	ashington 98115 (Signature in Full. No in	itials.)		
2ndWitness _	(Type or Print)		<del></del>	(Signature in Full. No in	itials.)		
Signed at	-		Date				
Inventor (11)							
	(Type or Print)			(Signature in Full. No in	itials.)		
	st Office Address		<u></u>	·····			
1st Witness _	(Type or Print)			(Signature in Full. No in	itials.)		
2ndWitness _	(Type or Print)			(Signature in Full. No In	itials.)		
Signed at _			Date				
Inventor (12)							
	(Type or Print)		_ <del>_</del>	(Signature in Full. No in	itials.)		
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1st Witness							
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After this Assignment has been recorded please RETURN to:

(Signature in Full. No initials.)

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

2ndWitness

(Type or Print)

10 joint inventors

### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of

(ii plaidi inventors	are named below) of the inventions relating to	META	ADATA QUALITY IMPROVEMENT PROC	ESS
described in an o	pplication for Letters Patent of the United States of			Under Serial No. 09/876,942
Assignment/Agra	or, if not identified here by filing date and	serial numbe	r, executed by me on even date witt	n my execution of this
and existing under for all countries in and any divisions I agree the declarations and inventions in any I agree the requested by said its successors, associated inventions in its oppose to the countries of the	ement.  between the consideration received, I hereby sell, assign and of the laws of the country of France, its successors, or and to sald inventions, and all the rights and privile continuations, reissues and extensions thereof. I will, without charge to said do all acts which may be necessary, desirable or and all countries and for vesting title thereto in said at I will communicate to said corporation or its repit or corporation and at its expense will testify in any legus and legal representatives or nominees, to obtain and empower said corporation, its successors, as and empower said corporation, its successors, as their own name, or in my/our name, in any and all inventions filed by it or them, the benefit of the inded, or by any convention which may hencefor horization from me.	d transfer to 11 and assigns manges under ar corporation I convenient if corporation, resentatives a gal proceedi ain or enforce sisgns or nomi all countries ght of priority the be substituted af under partial deemed a funder partial and anore partial and assigns or promite all countries and countries and countries and countries and a funder partial and more partial and anore partial and anore partial and anore partial and assigns a second as a funder and a funder a funder and a funder a funder and a funder	HOMSON LICENSING S.A a corporative entire right, title and interest, by and all Letters Patent that may be put at its expense, sign all papers, to or securing and maintaining patents its successors, assigns or nominees. The successors is assigns or nominees, any facts known to me respecting saidings, and generally do everything posproper protection for said inventions inces, to make application for paten and to invoke and claim for any apy provided by the International Convuted for it, and to invoke and claim il legal and formal equivalent of an cultury in proof of the right of the said	granted therefor,  like all rightful oaths, make all rightful oaths, make all rightful oaths, make all rightful or other forms of protection for said inventions and when sible to aid said corporation, in any and all countries, it or other form of protection for said or other form of protection of industries is such right of priority without further sy assignment, consent to file or like corporation or the successor against
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l covenar	of with THOMSON LICENSING S.A., its successors, asserein conveyed by me are free and clear of any e	ians, legal re	presentatives, and nominees, that to	the hest of my knowledge the righ
Signed at	Seattie, Washington	Date .		
Inventor (1)	ADAM CUDISTIANI ADA IIANI			
	ARAM CHRISTIAN ABAJIAN (Type or Print)		(Signature in Full. No initials.)	
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Po	st Office Address 202 N.W. 43 <sup>rd</sup> Street,	Seattle, V	Vashington 98107	
1st Witness	(Type or Print)		(Signature in Full. No initials.)	
2ndWitness	(Type or Print)		(Signature in Full. No initials.)	······································
			(o.g., and o.g.,	
Signed at	Seattle, Washington	Date -		
Inventor (2)	ROBIN ANDREW ALEXANDER			
	(Type or Print)		(Signature in Full. No initials.)	
Pos	t Office Address 4720 164 <sup>th</sup> Place NE,	Redmond	d, Washington 98052	
1st Witness	(Type or Print)		(Signature in Full. No initials.)	
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-	(Type or Print)		(Signature in Full. No initials.)	
Signed at	Seattle, Washington	Date -		
Inventor (3)	KEN ALAN BERKUN (Type or Print)		(Signature in Full. No initials.)	
Pos	t Office Address 1554 NE 95 <sup>th</sup> Street, S	<u>eattle</u> , Wo	,	
1st Witness				
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2ndWitness _	(Type or Print)		(Signature in Full. No Initials.)	

## ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

	declare that I am the sole inventor (if only one invent			<u>_1(</u>		
(ir piurai inventor	s are named below) of the inventions relating to	META	ADATA QUALITY IMI	PROVEMENT PR	OCESS	
described in an o	application for Letters Patent of the United States of A	merica filed	Ion	June 8, 2001	Under Serial No. 09/876,942	
	or, if not identified here by filing date and s	erial numbe	r, executed by me	on even date		
Assignment/Agre For value	eement. able consideration received, I hereby sell, assign and	transfer to TI	HOMSON LICENSIN	IG S.A., a corpo	oration duly organized	
and existing und	er the laws of the country of France, its successors, and and to said inventions, and all the rights and privileg	id assigns m	y entire right, title o	and interest.	· -	
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Property, as ame	ended, or by any convention which may henceforth	be substitu	uted for it, and to	invoke and cl	aim such right of priority with	out further
I hereby	thorization from me. consent that a copy of this assignment shall be de	emed a fu	l legal and forma	l equivalent of	any assignment, consent to	file or like
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Signed at	Seattle, Washington	Date 			·	
Inventor (4)	AUSTIN DAVID DAHL					1
1	(Type or Print)		(Signature in Fu	ull. No initials.)		-
				•		
PG	ost Office Address 2039 26 <sup>th</sup> Ave. E., Seat	ttle, Was	hington 981	12		1
1st Witness						
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Signed at	Seattle, Washington	Date				
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Inventor (5)	JOHN ANTHONY DEROSA					j
1	(Type or Print)		(Signature in Fu	ıll. No initials.)		
Po	ost Office Address 1407 6 <sup>th</sup> Ave. W., Seat	tle, Wash	nington 9811	9		}
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Signed at	Co office March to office	Date				
l signica ai	Seattle, Washington					1
Inventor (6)	SCOTT CHAO-CHUEH LEE					
	(Type or Print)	-	(Signature in Fu	ıll. No initials.)		1
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	st Office Address 2031 151 <sup>st</sup> Ave. SE, Bel	ievue, W	rashington 9	500/		1
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After this Assignment has been recorded please RETURN to:

Patent Operations THOMSON multimedia Licensing Inc. P.O. Box 5312 Princeton, NJ 08543-5312

### ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

	leclare that I am the sole are named below) of th	e inventor (if only one invent e inventions relating to			MPROVEMENT PROC	joint Inventors CESS	
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					June 8, 2001	Under Serial No. 09/876,942	
Assignment/Agre	ement.	ed here by filing date and s					
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ine dua melesi n	elein conveyed by me c	ire iree and clear or any en	cumbrance	, and that I have	full right to convey	the same as herein express	ed. ]
Signed at	Seattle, Washin	gton	Date				
Inventor (10)	1011471141	00000	_				1
Inventor (10)	(Type or Print)	OBERT NOWITZ	-	(Signature in	Full. No initials.)	·	
	,				ŗ		
Pos	t Office Address 23	302 NE 92 <sup>nd</sup> Street, Se	eattle, W	/ashington 9	28115		
1st Witness			_				
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2ndWitness _	7 D'-A						
	(Type or Print)		<del></del> -	(Signature in l	Full. No initials.)		
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Inventor (11)	(Type or Print)			(0)			
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2ndWitness _	(Type or Print)			(Signature in F	ull No initials		

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(if plural inventors are named below) of the inventions relating to	METAD/ITA QUALITY IMPROVEMENT PROCESS
described in an application for Letter Detect of the United States of the	
described in an application for Letters Patent of the United States of America	09/876 942
Assignment/Agreement.	mber, executed by me on even date with my execution of this
For valuable consideration received, I hereby sell, assign and transfer and existing under the laws of the country of France, its successors, and assig	r to THOMSON LICENSING S.A., a corporation duly organized
for all countries in and to said inventions, and all the rights and privileges under	ins my entire right, title and interest, er any and all Letters Patent that may be aranted therefor
and any divisions, continuations, reissues and extensions thereof.	
decidrations and do all acts which may be necessary, desirable or conveni	tion but at its expense, sign all papers, take all rightful oaths, make all rightfu ent for securing and maintaining patents or other forms of protection for said
inventions in any and all countries and for vesting title thereto in said corpora	tion, its successors, assigns or nominees
I agree that I will communicate to said corporation or its representative requested by said corporation and at its expense will testify in any legal process.	eedings, and generally do everything possible to gid said corporation
its successors, assigns and legal representatives or nominees, to obtain or enfi	OFCE DEODER DESCRIPTION for said inventions in any and all countries
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protection for said inventions tiled by it or them, the benefit of the right of pr	dorlfy provided by the International Convention for the Protection of Industrial
Wriπen or ordi authorization from me.	bstituted for it, and to invoke and claim such right of priority without further
I hereby consent that a copy of this assignment shall be deemed	a full lagal and formal equivalent of any assignment, consent to file or like
or nominees to apply for patent or other proper protection for said invention	particularly in proof of the right of the said corporation or its successors, assigns as, and to claim the aforesaid benefits of the right of priority provided by the
International Convention for the Protection of Industrial Property, as amended	d. Of by any convention which may henceforth be substituted for it
title and interest herein conveyed by me are free and clear of any encumbro	al representatives, and nominees, that to the best of my knowledge the right, since, and that I have full right to convey the same as herein expressed.
	y we see no do no our respictation.
Signed at Seattle, Washington Dat	е
Inventor (1) ARAM CHRISTIAN ABAJIAN	
(Type or Print)	(Signature in Full. No initials.)
Post Office Address 202 N W 43rd Street Spottle	- Washington 00107
Post Office Address 202 N.W. 43 <sup>rd</sup> Street, Seattle	e, Washington 9810/
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
2ndWitness	
(Type or Print)	(Signature in Full. No initials.)
Classed at a superior of the control	
Signed at Seattle, Washington Date	θ
Inventor (2) ROBIN ANDREW ALEXANDER	
TOBILTY INDICENT TREET INDER	
(Type or Print)	(Signature in Full. No initials.)
Post Office Address 4720 164 <sup>th</sup> Place NE, Redm	and Washington 98052
4720 104 Tidde Nc, Rediff	Oria, Wasi iirig:011 70002
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
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(Type or Print)	(Signature in Full. No initials.)
Cianad at	
Signed at Seattle, Washington Date	9
In contract of the contract of	
Inventor (3) KEN ALAN BERKUN	
(Type or Print)	(Signature in Full. No initials.)
Post Office Address 1554 NE 95 <sup>th</sup> Street, Seattle,	Washington 09115
1004 IVE 90 SHEET, SECTIVE,	wushington 40115
1st Witness	
(Type or Print)	(Signature in Full. No initials.)
2ndWitness	
(Type or Print)	(Signature in Full. No initials.)

### PATENT ASSIGNMENT

WHEREAS, Thomson Licensing S.A., a French société anonyme having a principal place of business at 46, Quai Alphonse Le Gallo, 92100 Boulogne-Billancourt France ("Assignor"), is the owner of the entire right, title and interest in and to the patent applications set forth in attached Schedule A hereto and in and to the inventions disclosed therein (collectively, the "Assigned Patent Rights");

WHEREAS, America Online, Inc., a Delaware corporation, ("Assignee"), Assignor, Thomson Inc., a Delaware corporation, and Singingfish.com, Inc., a Washington corporation, are parties to that certain Asset Purchase Agreement dated November 13, 2003 (the "Asset Purchase Agreement"), and Assignee, Assignor, Thomson, S.A., a French société anonyme and the parent company of Assignor, Thomson Inc. and Singingfish.com, Inc. are parties to that certain Transfer Agreement dated November 13, 2003 (the "Transfer Agreement"), pursuant to which Assignee acquired all right, title and interest in and to the Assigned Patent Rights; and

WHEREAS, this Patent Assignment is entered into pursuant to, and as a condition of the closing of the transactions contemplated under, the Asset Purchase Agreement and the Transfer Agreement;

NOW, THEREFORE, for good and valuable consideration acknowledged by Assignor to have been received in full from Assignee and pursuant to the terms of the Asset Purchase Agreement and Transfer Agreement:

- Assignor's right, title and interest in and to said Assigned Patent Rights, together with all patents issuing on said Assigned Patent Rights, and any reissues, reexaminations, renewals, extensions, substitutions, registrations, confirmations, divisionals, continuations, and continuations-in-part of such patents and said Assigned Patent Rights, including any patents and patent applications which claim priority to a common priority document in the priority chain of any of the foregoing, and foreign counterparts of any of the foregoing, and together with all rights to sue for past and future infringement or misappropriation thereof (including the right to sue for pre-issuance royalties).
- 2. The terms and covenants of this Patent Assignment shall inure to the benefit of Assignee, its successors and assigns, and shall be binding upon Assignor and its successors and assigns.

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IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its duly authorized representatives effective this 13th day of November 2003.

THOMSON LICENSING S.A.

7

Title: Chairman & CEO

### SCHEDULE A

## "Exhibit One Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
INTERNET STREAMING MEDIA WORKFLOW ARCHITECTURE	DEROSA John, ABAJIAN Aram Christian, ALEXANDER Robin, DAHL Austin, LEE Scott, PORTER Charles, REHM Eric, KOLAR Jennifer, SUDANAGUNTA Srinivasan	US only	09/876941	08 June 0]
FULL-TEXT RELEVANCY RANKING	DIAMOND Theodore George, HENDRICK Daniel Allen, REHM Eric Carl, REISLAND Melissa Anne	US only	09/876925	08 June 01
GROUP DUPLICATES AND VARIATIONS	ABAJIAN Aram Christian	US only	09/878877	11 June 01
FUZZY DATABASE RETRIEVAL	PRINCE John	US only	09/878866	11 June 01
NTERNET SEED CRAWLING	JENSEN-GRAY Sean S.	US only	09/878876	11 June 01

"Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR NETWORK SITE FRAGMENTED SEARCH	SHANNON Paul, MILLER Brad, LEE Scott, KOLAR Jennifer	РСТ	US01/43303	20 Nov 01
		CN	01822162.9	20 Nov 01
		DE	N/A <sup>(*)</sup>	N/A
		EP	01988150.7	20 Nov 21
		FR	N/A	N/A
		GB	N/A	N/A
		IN	578/KOL NP/03	20 Nov 01
		TI	N/A	N/A
		ſΡ	545322/02	20 Nov 01
	·	KR	03-7006820	20 Nov 01
		МХ	03/004447	20 Nov 01
·		US	10/432,258	20 Nov 01

<sup>(\*)</sup> Not Available

## "Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR SEARCHING A NETWORK	PORTER Charles, REICHHOLD Jonathan, REHM Eric	PCT	US01/43247	20 Nov 01
		CN	01822165.3	20 Nov 01
		DE	N/A	N/A
		EP	US01/43247	20 Nov 01
	·	FR	N/A	N/A
		GB	N/A	N/A
		IN	579/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		ЛР	545381/02	20 Nov 01
		KR	03-7006786	20 Nov 01
		MX	03/004446	20 Nov 01
		US	10/432,306	20 Nov 01

## "Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM AND PROCESS FOR MEDIATED CRAWLING	EVANS Philip, ALEXANDER Robin, SHANNON Paul	PCT	US01/43248	20 Nov 01
		CN	01822163.7	20 Nov 01
		DE	N/A	N/A
		EP	01988143.2	20 Nov 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	589/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		ЛP	545321/02	20 Nov 01
		KR	03-7006783	20 Nov 01
		MX	03/004448	20 Nov 01
		US	10/432,388	20 Nov 01

## "Exhibit One Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD AND ARCHITECTURE FOR THE RULE BASED INDEXING OF MULTIPLE DATA STREAMS	NOWITZ Jonathan	U.S.	10/625,141	23 July 03
ASSERTION-BASED METADATA COLLECTION AND ENHANCEMENT SYSTEM	SUDANAGUNTA Srinivasan	N/A	N/A	N/A

## "Exhibit Two Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
INTERPRETIVE STREAM METADATA EXTRACTION	REHM Eric, BERKUN Ken, DAHL Austin, KOLAR Jennifer, LEE Scott, MCRAE Shannon, MILLER Brad, PRINCE John, SUDANAGUNTA Srinivasan, NOWITZ Johnathan	US only	09/876943	08 June 01
METADATA QUALITY IMPROVEMENT	PORTER Charles, ABAJIAN Aram Christian, ALEXANDER Robin Andrew, BERKUN Ken Alan, DAHL Austin David, DEROSA John Anthony, LEE Scott, REHM Eric Carl, SUDANAGUNTA Srinivasan, NOWITZ Johnathan	US only	09/876942	08 June 01

"Exhibit Two Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
A SYSTEM FOR UNIFIED EXTRACTION OF MEDIA OBJECTS	KOLAR Jennifer, MILLER Brad, LEE Scott	PCT	US01/43305	20 Nov 01
		CN	01822164.5	20 Nov 01
		DE	N/A	N/A
		EP	01987023.7	20 Nov 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	577/KOL NP/03	20 Nov 01
		IT	N/A	N/A
		JP	545323/02	20 Nov 01
		KR	03-7006821	20 Nov 01
		MX	03/004445	20 Nov 01
		US	10/432,316	20 Nov 01

"Exhibit Three Patent Rights"

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF SIZING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	РСТ	US01/51373	24 Oct 01
		BR	PI0114879-6	24 Oct 01
		CN	01817867.7	24 Oct 01
		DE	N/A	N/A
		EP	01989347.8	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	438/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		ЛP	549056/02	24 Oct 01
		KR	03-7005382	24 Oct 01
		мх	03/003495	24 Oct 01
		us	10/415210	24 Oct 01

### "Exhibit Three, Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF COLLECTING DATA USING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	РСТ	US01/51228	24 Oct 01
		BR	PI0114882-6	24 Oct 01
		CN	01817868.5	24 Oct 01
		DE	N/A	N/A
		EP	01994526.0	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	436/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		JP	558150/02	24 Oct 01
1		KR	03-7005632	24 Oct 01
		мх	03/003493	24 Oct 01
		us	10/415216	24 Oct 01

### "Exhibit Three, Patent Rights," Continued

Title	Inventor(s)	Country	Application Number	Filing Date
METHOD OF DISSEMINATING ADVERTISEMENTS USING AN EMBEDDED MEDIA PLAYER PAGE	HAYWARD Monte Duane	PCT	US01/51227	24 Oct 01
		BR	PI0114830-3	24 Oct 01
		CN	01817871.5	24 Oct 01
		DE	N/A	N/A
		EP	01989326.2	24 Oct 01
		FR	N/A	N/A
		GB	N/A	N/A
		IN	437/KOL NP/03	24 Oct 01
		IT	N/A	N/A
		ЛР	557111/02	24 Oct 01
		KR	03-7005633	24 Oct 01
		мх	03/003494	24 Oct 01
		US	10/415021	24 Oct 01